

# **CRATE**

## **B10 XL**



# **BASS AMPLIFIER**

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We would like to take this opportunity to thank you for selecting a Crate product, and to tell you of our commitment to the design and manufacture of only the finest musical instrument amplification equipment; built for you, the musician.

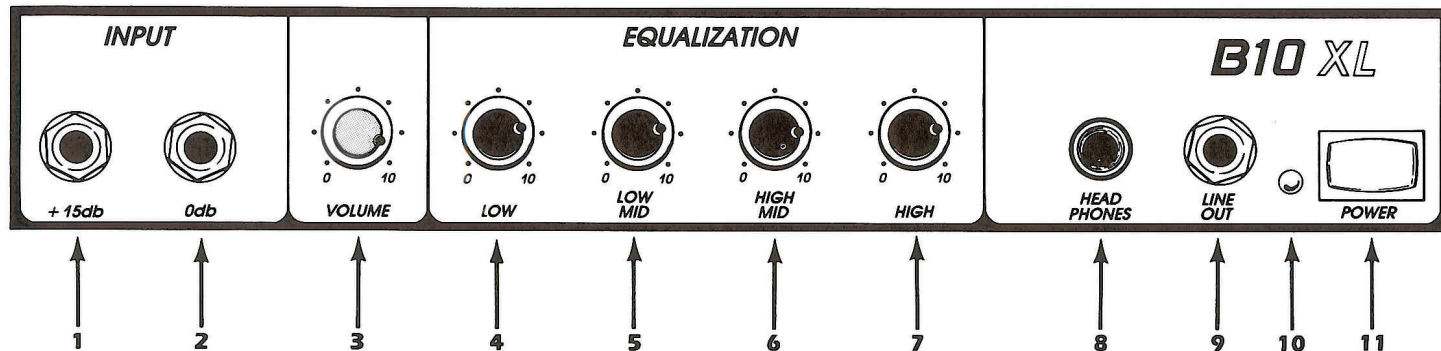
You have purchased one of the most innovative sound amplification devices available today. Your Crate amplifier gives you more performance features than ever before; features that you, the musician, have asked for.

Your Crate amplifier is an American product, manufactured at our factory in St. Louis, Missouri. Only the finest available components and materials are used in the manufacture of each amplifier.

All Crate amplifiers are subject to seven or more inspection and testing steps to assure you of a high quality product. The final test for each amp is conducted by a trained musician with the instrument the amp was designed for. Any unit that does not meet the standards of his discriminating ear will not be passed.

Since all Crate products are designed, developed, and manufactured through the cooperative efforts of engineers and professional musicians, the end result is a product that responds to the musician's audio requirements, and a product that will serve your needs for years to come.

## OPERATION



### FRONT PANEL FEATURES AND FUNCTIONS

- 1) +15dB INPUT:** This input is intended for basses which have low output and require extra gain for proper sound output. If your bass requires very low settings of the VOLUME control [3] when using this input, you should use the 0dB input [2].
- 2) 0dB INPUT:** This input should be used if your bass has a preamp, has high output pickups, or if your playing style is very dynamic and hard.
- 3) VOLUME CONTROL:** This control sets the output sound level. Settings near maximum will tend to give a compressed sound, as the internal compressor/limiter will begin to operate. If this is not desired, reduce the setting of the VOLUME control.
- 4) LOW CONTROL:** This control has most effect on fundamental bass notes.
- 5) LOW MID CONTROL:** This control has most effect on the harmonics of low bass notes.

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- 6) **HIGH MID CONTROL:** The HIGH MID knob affects the middle harmonics. It can add "edge" if boosted, and, when reduced, control excessive buildup of midrange sound which may cause an undesirable "nasal" type of tone.
  - 7) **HIGH CONTROL:** This knob affects high harmonics. When boosted, it will accentuate the "pops" and "clicks" of modern dynamic playing styles. When turned down, a smoother more traditional sound will result.
  - 8) **HEADPHONE JACK:** Unpowered headphones may be plugged into this jack. The speaker is automatically disconnected when headphones are plugged in.
  - 9) **LINE OUT JACK:** This is an unbalanced, high impedance output for recording, or connecting additional amplifiers. The speaker is not disconnected by this jack.
  - 10) **POWER INDICATOR:** The amplifier is on whenever this indicator is lit.
  - 11) **POWER SWITCH:** Press the right side of this power switch to turn the unit on, press the left side to turn off.

## REAR PANEL FEATURES

**POWER CORD:** Your B10XL is equipped with a heavy-duty grounded three-wire power cord. Be sure this cord is properly plugged into a safely wired grounded 120 volt, 60hz AC power outlet before use. (If your B10XL was purchased outside the United States, refer to the rear panel for power ratings). For your safety, never attempt to defeat the ground connection on this cord.

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# B10XL TECHNICAL SPECIFICATIONS

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<b>Output Power Rating</b>	10 watts RMS @ 5% thd 4 ohm load 1 khz 120vac
<b>Speaker Size and Rating:</b>	Custom Design 8" 4 ohm with 1" voice coil power capacity 10 watts RMS
<b>Input Impedance</b>	220k ohms
<b>Bass Control</b>	24db range @ 50 hz
<b>Low Mid Control</b>	16dB range @ 200 hz
<b>High Mid Control</b>	12dB range @ 800 hz
<b>High Control</b>	24dB range @ 5 khz
<b>Maximum Input Signal Level Accepted</b>	+ 15 db input 2.5 volt RMS 0db input more than 10 volt RMS
<b>Signal to Noise Ratio</b>	75dB (all controls centered)
<b>Compressor/Limiter</b>	12dB Dynamic Range (minimum)
<b>Input Power Requirement</b>	120 vac, 60hz, 30 watts maximum (domestic USA units)
<b>Cabinet Size and Weight</b>	14.25"H x 14.25"W x 9.6"D 25 lbs. (shipping)

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Specifications subject to change without notice.

CAUTION: To reduce the risk of electric shock, do not remove chassis. No user serviceable parts inside. Refer servicing to qualified service personnel.

CAUTION: This equipment is capable of producing sound pressure levels greater than 110 dB SPL. Continued exposure to such high sound pressure levels can cause permanent hearing impairment or loss. user caution is advised, and ear protection is recommended.